AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A compound which binds the Gquadruplex structure of a telomere comprising the following general formula:

nitrogen-containing aromatic ring - NR_3 - distribution agent - NR'_3 - nonaromatic hydrocarbon chain

in which

- 1) the nitrogen-containing aromatic ring represents:
 - a) a quinoline optionally substituted with at least
 - i) a group N(Ra)(Rb) in which Ra and Rb, which are identical or different, represent hydrogen or
 a C1-C4 alkyl radical or
 - ii) a group ORa in which Ra is as defined above
 - b) a quinoline possessing a nitrogen atom in quaternary form $\frac{\partial \mathbf{r}}{\partial \mathbf{r}}$
 - c) a benzamidine or
 - d) a pyridine,
- 2) R3 and R'3, R3 and R'3, which are identical or different, represent independently of each other, hydrogen or a C1-C4 alkyl radical,
- 3) the distribution agent represents:
 - a) a triazine group, a triazine group substituted with
 - (i) an alkyl radical having 1 to 4 carbon atoms, (ii) a thio thiol radical, (iii) an exy a hydroxy radical, or
 - (iv) an amino radical, wherein the alkyl, thio thiol,

FINNEGAN HENDERSON FARABOW GARRETT & DUNNERLL

exy hydroxy or amino radicals are unsubstituted or substituted with

- i) one or more short-chain alkyl groupscontaining 1 to 4 carbon atoms or
 - ii) a halogen atom or
- b) a carbonyl group or
- c) a group C(=NH)-NH-C(=NH) or
- d) an alkyldiyl group containing 3 to 7 carbon atoms or
- e) a diazine group, a diazine group substituted with
- (i) an alkyl radical having 1 to 4 carbon atoms, (ii) a thio thiol radical, (iii) an oxy a hydroxy radical, or (iv) an amino radical, wherein the alkyl, thio thiol, oxy hydroxy or amino radicals are unsubstituted or substituted with
- i) one or more short-chain alkyl groupscontaining 1 to 4 carbon atoms or
- ii) a halogen atom,
 or a salt thereof.
- 2. (Original) The compound according to claim 1, wherein the distribution agent is a triazine or diazine group.

FINNEGAN HENDERSON FARABOW GARRETT & DUNNERLP

1300 I Street, NW Washington, DC 20005 202.408.4000 Fax 202.408.4400 www.finnegan.com (Canceled)

4. (Original) The compound according to claim 1, wherein the nonaromatic hydrocarbon chain is chosen from among

- i) alkyl (C1-C4), alkenyl (C2-C4), wherein the alkyl and alkenyl are linear or branched,
- ii) cycloalkyl (C3-C18)
- iii) cycloalkenyl (C3-C18)
- iv) heterocycloalkyl (C3-C18) and
- v) heterocycloalkyl (C3-C18) including the nitrogen atom of the NR'3 group.
- 5. (Currently Amended) The eempeunds compound according to claim 4, wherein the nonaromatic hydrocarbon chain is unsubstituted or substituted with one or more atoms or radicals chosen from among halogen atoms, hydroxyl, aryl, heteroaryl, alkyloxy, aryloxy, thio thiol, alkylthio, arylthio, amino, alkylamino, arylamino, dialkylamino, diarylamino, amidino, guanidino, alkylcarbonylamino, arylcarbonylamino, carboxyl, alkyloxycarbonyl, aryloxycarbonyl, aminocarbonyl, alkylaminocarbonyl, arylaminocarbonyl, dialkylaminocarbonyl, alkylcarbonyl arylcarbonyl, cyano, trifluoromethyl, and combinations thereof.
- 6. (Currently Amended) The compounds compound according to claim 5, wherein the alkyl chains comprise substituents having a hydrocarbon chain containing 1 to 4 carbon atoms, and the aryl groups comprise substituents having a hydrocarbon chain containing 5 to 18 carbon atoms.

- 7. (Currently Amended) The compounds compound according to claim 4, wherein the alkyl chains contain 2 to 3 carbon atoms, and the heterocycloalkyl or cycloalkyl chains contain 5 to 7 carbon atoms.
- 8. (Currently Amended) The compounds compound according to claim 1, comprising formula (I) below:

in which:

- 1) A represents:
 - a) an amino group of formula NR1R2 in which R1 and R2, which are identical or different, represent hydrogen or a straight or branched alkyl group containing 1 to 4 carbon atoms or
 - b) a group OR1 or SR1 in which R1 has the same meaning as above or
 - c) an alkyl group containing 1 to 4 carbon atoms or a trifluoromethyl group or
 - d) a hydrogen atom or
 - e) a halogen atom chosen from fluorine, chlorine, bromine and iodine,

FINNEGAN HENDERSON FARABOW GARRETT & DUNNERLP

- 3) Ar₁ represents a nitrogen-containing aromatic ring representing:
 - a) a quinoline, either unsubstituted or substituted with at least
 - i) a group N(Ra)(Rb) in which Ra and Rb, which are identical or different, represent hydrogen or a C1-C4 alkyl radical or
 - ii) a group ORa in which Ra is as defined above
 - b) a quinoline possessing a nitrogen atom in quaternary form or
 - c) a benzamidine or
 - d) a pyridine attached at the 4-position or fused with an aryl or heteroaryl group
 - e) a pyridine attached at the 4-position or fused with an aryl or heteroaryl group substituted with a C1-C4 alkyl group,
- 4) Alk alk represents a nonaromatic unsubstituted or substituted hydrocarbon chain chosen from among alkyl (C1-C4), alkenyl (C2-C4), wherein the alkyl and alkenyl chain are linear or branched, cycloalkyl (C3-C18), cycloalkenyl (C3-C18) heterocycloalkyl (C3-C18), and

heterocycloalkyl (C3-C18) including the nitrogen atom of the NR'3 group,

or a salt thereof.

- 9. (Currently Amended) The compounds compound according to claim 8, wherein the nonaromatic hydrocarbon chain is unsubstituted or substituted with one or more atoms or radicals chosen from among halogen atoms, hydroxyl, aryl, heteroaryl, alkyloxy, aryloxy, thio thio, alkylthio, arylthio, amino, alkylamino, arylamino, dialkylamino, diarylamino, amidino, guanidino, alkylcarbonylamino, arylcarbonylamino, carboxyl, alkyloxycarbonyl, aryloxycarbonyl, aminocarbonyl, alkylaminocarbonyl, arylaminocarbonyl, dialkylaminocarbonyl, alkylcarbonyl or arylcarbonyl, cyano, trifluoromethyl, and combinations thereof.
- 10. (Currently Amended) Compounds The compound according to claim 8, wherein Ar₁ represents 4-amino- or 4-methylamino- or 4-dimethylamino- quinolyl or quinolinium, wherein the quinolinium nucleus is unsubsituted or substituted with a methyl group.

FINNEGAN HENDERSON FARABOW GARRETT & DUNNERLLP

1300 I Street, NW Washington, DC 20005 202.408.4000 Fax 202.408.4400 www.finnegan.com 11. (Currently Amended) Compounds The compound according to claim 8, wherein group A represents a thiomethyl, amino, alkylamino or dialkylamino, in which the alkyl groups in the radicals possess 1 to 4 carbon atoms.

- 12. (Currently Amended) Compounds The compound according to claim 8, wherein A represents a methylthio group.
- 13. (Currently Amended) Compounds The compound according to claim 8, wherein Alk alk represents an alkyl containing 2 to 3 linear or branched carbon atoms, wherein the alkyl is substituted with
 - i) an amino, alkylamino, arylamino, dialkylamino, diarylamino, or combination thereof
 - ii) an alkenyl unit containing 2 to 3 carbon atoms, which is substituted with an amino, alkylamino arylamino, dialkylamino, diarylamino, heterocyclyl containing from 4 to 7 carbon atoms, or a combination thereof.
- 14. (Currently Amended) Compounds The compound according to claim 8, wherein Alk alk represents a 2-(dialkylamino)ethyl, 3-(dialkylamino)propyl, 2-(N-alkyl-N-arylamino)ethyl, or 3-(N-alkyl-N-arylamino)propyl, in which the alkyl groups contain 1 to 4 carbon atoms and the aryl groups contain 5 to 18 carbon atoms.

1300 I Street, NW Washington, DC 20005 202.408.4000 Fax 202.408.4400 www.finnegan.com 15. (Currently Amended) Compounds The compound according to claim 8, wherein Alk alk represents 2-(N-m.tolyl-N-ethylamino)ethyl.

- 17. Canceled
- 18. (Currently Amended) Novel compounds A compound corresponding to the following formula (I):

in which:

- 1) A represents
 - a) an amino group of formula NR1R2 in which R1 and R2, which are identical or different, represent hydrogen or a straight or branched alkyl group containing 1 to 4 carbon atoms or
 - b) a group OR1 or SR1 in which R1 has the same meaning as above $\frac{1}{2}$
 - c) an alkyl group containing 1 to 4 carbon atoms or a trifluoromethyl group $\frac{1}{2}$
 - d) a hydrogen atom or
 - e) a halogen atom chosen from fluorine, chlorine, bromine and iodine,

FINNEGAN HENDERSON FARABOW GARRETT & DUNNER LLP

- 2) R3 and R'3, R_3 and R'3, which are identical or different, represent independently of each other hydrogen or a C1-C4 alkyl group,
- 3) Ar₁ represents a nitrogen-containing aromatic ring representing:
 - a) a quinoline, either unsubstituted or substituted with at least
 - i) a group N(Ra)(Rb) in which Ra and Rb, which are identical or different, represent hydrogen or a C1-C4 alkyl radical or
 - ii) a group ORa in which Ra is as defined above
 - b) a quinoline possessing a nitrogen atom in quaternary form or
 - c) a benzamidine or
 - d) a pyridine attached at the 4-position or fused with an aryl or heteroaryl group or
 - e) a pyridine attached at the 4-position or fused with an aryl or heteroaryl group substituted with a C1-C4 alkyl group,
- alk represents a nonaromatic unsubstituted or substituted hydrocarbon chain chosen from among alkyl (C1-C4), alkenyl (C2-C4), wherein the alkyl and alkenyl chain are linear or branched, cycloalkyl (C3-C18), cycloalkenyl (C3-C18), heterocycloalkyl (C3-C18), and heterocycloalkyl

(C3-C18) including the nitrogen atom of the NR'3 group,

or a salt thereof.

- 19. (Currently Amended) Compounds The compound according to claim 18, wherein the nonaromatic hydrocarbon chain is unsubstituted or substituted with one or more atoms or radicals chosen from among halogen atoms, hydroxyl, aryl, heteroaryl, alkyloxy, aryloxy, thie thiol, alkylthio, arylthio, amino, alkylamino, arylamino, dialkylamino, diarylamino, amidino, guanidino, alkylcarbonylamino, arylcarbonylamino, carboxyl, alkyloxycarbonyl, aryloxycarbonyl, aminocarbonyl, alkylaminocarbonyl, arylaminocarbonyl, dialkylaminocarbonyl, alkylcarbonyl, arylcarbonyl, cyano, trifluoromethyl, and combinations thereof.
- 20. (Currently Amended) Compounds The compound according to claim 18, wherein Ar_1 represents 4-amino- or 4-methylamino- or 4-dimethylamino-quinolyl or quinolinium, wherein the quinolinium nucleus is unsubstituted or substituted with a methyl group.
- 21. (Currently Amended) Compounds The compound according to claim 18, wherein group A represents a thiomethyl, amino, alkylamino or dialkylamino, in which the alkyl groups in the radicals possess 1 to 4 carbon atoms.

FINNEGAN HENDERSON FARABOW GARRETT & DUNNER LP

- 22. (Currently Amended) Compounds The compound according to claim 18, wherein R1 and R2 represent hydrogen.
- 23. (Currently Amended) Compounds The compound according to claim 21, wherein A represents a methylthio group.
- 24. (Currently Amended) Compounds The compound according to claim 18, wherein alk represents
 - i) an alkyl containing 2 to 3 linear or branched carbon atoms which is substituted with an amino, alkylamino, arylamino, dialkylamino, diarylamino, or combination thereof,
 - ii) an alkenyl unit containing 2 to 3 carbon atoms, which is substituted with an amino, alkylamino, arylamino, dialkylamino, diarylamino, or combination thereof, or
 - iii) a heterocyclyl containing from 4 to 7 carbon
 atoms.
- 25. (Currently Amended) Compounds The compound according to claim 18, wherein alk represents 2-(dialkylamino)ethyl, 3-(dialkylamino)propyl, 2-(N-alkyl-N-arylamino)ethyl or 3-(N-alkyl-N-arylamino)propyl, in which the alkyl groups contain 1 to 4 carbon atoms and the aryl groups contain 5 to 18 carbon atoms.

26. (Currently Amended) Compounds The compound according to claim 24, characterized in that alk represents a 2-(N-m.tolyl-N-ethylamino)ethyl.

27. (Canceled)

- 28. (Original) A therapeutic composition comprising a compound according to claim 1 and one or more anticancer compounds.
- 29. (Original) The composition according to claim 28, wherein the one or more anticancer compounds are chosen from among alkylating agents, platinum derivatives, antibiotic agents, antimicrotubule agents, anthracyclines, group I and II topoisomerases, fluoropyrimidines, cytidine analogs, adenosine analogs, L-asparaginase, hydroxyurea, transretinoic acid, suramine, irinotecan, topotecan, dexrazoxane, amifostine, herceptin, estrogenic hormones, and androgenic hormones.

30. (Canceled)

31. (Currently Amended) A method of using the composition of claim 29, wherein the individual compounds are administered in a therapeutically effective amount to a patient simultaneously, separately or sequentially.

FINNEGAN HENDERSON FARABOW GARRETT & DUNNERLLP

- 32. (Added) A method of inhibiting telomerase activity, comprising administering a therapeutically effective amount of one or more compounds of claim 1 to a patient, wherein the level of telomerase activity in the patient following the administration is reduced relative to the level of telomerase activity existing prior to the administration.
- 33. (Added) A method of treating a cancer, comprising administering a therapeutically effective amount of one or more compounds of claim 1 to a patient in need of such a treatment, wherein the level of telomerase activity following the administration is reduced relative to the level of telomerase activity existing prior to the administration.
- 34. (Added) A pharmaceutical composition comprising one or more compounds of claim 1, and a pharmaceutically acceptable carrier.
- 35. (Added) A therapeutic combination consisting of the administration of one or more compounds according to claim 1 and the administration of radiation.